

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION CITY VIEW PLAZA, SUITE 7000 #48 165 RD. KM 1.2 GUAYNABO, PR 00968-8069

### SEP 0 9 2014

### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Article Number: 7011 0470 0000 5040 3745

Alberto Lázaro, P.E.

Hon, Carmen Yulin Cruz Soto

Executive President

Puerto Rico Aqueduct and Sewer Authority

Autonomous Municipality of San Juan

P.O. Box 7066

P.O. Box 9024100

San Juan, Puerto Rico 00916-9990

San Juan, Puerto Rico 00902-4100

Re:

Roosevelt Residential Development Wastewater Collection System Reconnaissance Inspection

PRASA Puerto Nuevo Wastewater Treatment Plant Collection System NPDES Permit

(PR0021555)

Municipality of San Juan Municipal Separate Storm Sewer System (MS4) NPDES Permit

(PRR040036)

Dear Eng. Lázaro and Hon. Yulín Cruz:

This letter is in reference to the National Pollutant Discharge Elimination System ("NPDES") Reconnaissance Inspection ("RI") conducted by the United States Environmental Protection Agency's ("EPA") Region 2, Caribbean Environmental Protection Division on August 21, 2014. The findings of this inspection report were also informed to the Puerto Rico Aqueduct and Sewer Authority (PRASA) and the Municipality of San Juan by email on August 21, 2014.

Within forty five (45) days of receipt of this letter, respond to EPA-CEPD in writing with the actions that PRASA and M\$J has taken or will take to address the non-compliance items and other issues identified in the report.

Also send a copy of your response to Wanda E. García Hernández, Director, Water Quality Area, EQB, Puerto Rico Environmental Quality Board, P.O. Box 11488, Santurce, Puerto Rico 00910

If you have any questions please feel free to contact me at 787-977-5840.

Sincerely,

Jaime G Chief

Municipal Water Program Branch

Caribbean Environmental Protection Division

#### Enclosure

CC: Wanda E. García Hernández, Director, Water Quality Area, PREQB Emma Blanco, PRASA Metro Region Compliance (electronically via email) William Díaz, PRASA Metro Region Compliance (electronically via email) Héctor Cepeda, PRASA Metro Region Compliance (electronically via email) Yanira Cosme, PRASA Metro Region Compliance (electronically via email) Christie Mota, PRASA Metro Region San Juan Area (electronically via email) Juan Pérez, PRASA (electronically via email) Noelia Rosa, Municipality of San Juan (electronically via email) Alexander Avila, Municipality of San Juan (electronically via email)



## United States Environmental Protection Agency Washington, D.C. 20460 Water Compliance Inspection Report Form Approved.

OMB No. 2040-0057 Approval expires 8-31-98

Section A: National Data System Coding (i.e., PCS)									
Transaction Code NPDES		Inspection TypeInspectorFac Type							
1 N 2 3 PR002155511	12 1 4 0 8 2 1 17	18-19 <b>R</b> 201							
21	Remarks	66							
Inspection Work Days Facility Self-Monitoring Evaluation Rating	B1 QA	Reserved							
67 1 69 70 U	71 72	73747580							
Section B: Facility Data									
Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW Entry Time/Date Permit Effective Date name and NPDES permit number									
Roosevelt Residential Development Wastewater	Collection System	9:50 AM							
PRASA Puerto Nuevo Regional Wastewater Trea	atment Plant	August 21, 2014  Exit Time/Date Permit Expiration Date							
NPDES Permit No. PR0021555		22 april 2014 - Na240 at							
	10:40 AM								
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	August 21, 2014 Other Facility Data – Other Responsible Officials								
		Other Facility Data - Other Responsible Officials							
PRASA was not represented during the inspection									
Name. Address of Responsible Official/Title/Phone and Fax Number(s)									
Name. Address of Responsible Official/Title/Priorie and Pax Numbers									
Eng. Javier Rivera Williams									
Compliance Director, Metro Region									
	Contacted								
	Yes x No								
Section C: Areas Evaluated During Inspection (Check only those areas evaluated)									
Permit Flow Measurement	X Operations & Ma	intenance CSO/SSO (Sewer Overflow)							
Records/Reports Self-Monitoring Program	Sludge Handling/Disposal Pollution Prevention								
X Facility Site Review Compliance Schedules	Pretreatment Multimedia								
X Effluent/Receiving Water Laboratory	Storm Water								
Section D: Summary of Findings/Comment	s (Attach additional sheets of na	arrative and checklists as necessary)							
See Enclosed Report									
	Agency/Office/Phone and Fax Num	hers Date							
Name(s) and Signature(s) of Inspector(s)	Agency/Officer none and rax Numi	9/9/14							
Alex O. Rivera, Environmental Engineer	787-977-5845								
		, ,							
Signature of Management O A Keviewer A Agency/Office/Phone and Fax Numbers Date 9/9/14									
Jaime Géliga, Chief, CEPD-MWPB U.S. EPA Region 2, CEPD MWPB									
787-977-5840									



## United States Environmental Protection Agency Washington, D.C. 20460 Water Compliance Inspection Report Form Approved.

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21						66			
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Section B: Facility Data  Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW  Entry Time/Date Permit Effective Date									
name and NPDES permit number					9:50 AM				
Roosevelt Residential Development Wastewater Collection System				August 21, 2014					
PRASA Puerto Nuevo Regional Wastewater Treatment Plant NPDES Permit No. PR0021555				Exit Time/Date Permit Expiration I	Pate				
IVI DEL	NFDES FEITHL NO. FR0021333			10:40 AM August 21, 2014					
Name(s) of (	On-Site Representative(s)/Ti	le(s)/Phon	e and Fax Number(s)			Other Facility Data - Other Respons	sible Officials		
MSJ was not represented during the inspection									
	ress of Responsible Offici	al/Title/Ph	one and Fax Number(s)						
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and the same of th	cipality of San J		Affairs Director,						
Mulli	cipality of Sali J	uan			Contacted				
					Yes x No				
Section C: Areas Evaluated During Inspection (Check only those areas evaluated)									
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	ecords/Reports	-	Self-Monitoring Program	1			M. North Viggaring Constitution		
Ш	cility Site Review	<u> </u>	Compliance Schedules	-	Sludge Handling/Disposal Pollution Prevention  Pretreatment Multimedia				
Ш	fluent/Receiving Water	-	Laboratory	-	Storm Water				
4									
	Section	D: Sumn	nary of Findings/Comment	ts (Attach a	iditional sheets of i	narrative and checklists as neces	sary)		
See E	Enclosed Report								
Name(s) and	Signature(s) of Inspector(s)		10	Agency/Off	ice/Phone and Fax Nu	mbers Date	1		
Alex O. Rivera, Environmental Engineer			U.S. EPA Region 2-CEPD - 787-977-5845						
		W							
Jaime Géliga, Chief, CEPDIMWPB				U.S. EPA	Agency/Office/Phone and Fax Numbers Date U.S. EPA Region 2, CEPD MWPB 787-977-5840				

## SUPPLEMENT TO WATER COMPLIANCE INSPECTION REPORT FORM (EPA FORM 3560-3 (REV 9-94))

# ROOSEVELT RESIDENTIAL DEVELOPMENT WASTEWATER COLLECTION SYSTEM

Reconnaissance Inspection: Puerto Rico Aqueduct and Sewer Authority (PRASA)

Puerto Nuevo Regional Wastewater Treatment Plant

National Pollutant Discharge Elimination System (NPDES)

Permit (PR0021555)

Municipality of San Juan Municipal Separate Storm Sewer

System (MS4) Permit (PRR040036)

Inspection Date:

August 21, 2014

Inspectors:

Alex O. Rivera, Environmental Engineer

**USEPA Region 2** 

Caribbean Environmental Protection Division

Municipal Water Program Branch

(787) 977-5845

### I. Background and inspection purpose:

On August 21, 2014, Alex O. Rivera of EPA Region 2 conducted a reconnaissance inspection (RI) of the wastewater and stormwater collection systems at Roosevelt Residential Development in San Juan, Puerto Rico. The RI was performed as a follow-up to a random inspection conducted on June 9, 2014 where several non-compliance item were identified. The findings were informed to PRASA and MSJ representatives on June 9, 2014.

On June 12, 2014 we were informed via email by MSJ's MS4 inspector Alexander Avila with the details of the investigation performed along with PRASA's compliance inspector Eng. Héctor Cepeda. Also via email we were informed by PRASA's Yanira Cosme and Christie Mota about PRASA's investigations.

EPA's August 21, 2014 revealed that several non-compliance items were still outstanding. The findings of my inspection were sent to PRASA and MSJ via email on August 21, 2014. On September 3, 2014 we received an email from MSJ's MS4 inspector Alexander Avila confirming our findings and coordinating a follow-up visit for September 4, 2014. Also on September 3, 2014, PRASA crews started working on Roosevelt Residential Development Fernando Calder Street wastewater collection system. On September 4, 2014 MSJ's MS4 inspector Alexander Avila sent an email with the details of their investigation and referring several situations to PRASA.

### II. Inspection Findings and Observations:

The findings and observations of the RI are included below:

Stormwater manhole at Juan A. Dávila and Octavio Marcano Streets intersection (in front of residence #480) – Two (2) sources of dry-weather flows with wastewater characteristics were observed. The first flows from Ricardo Skerret Street and the second from Octavio Marcano Street. The amount of flow from Octavio Marcano is significant as can be observed on pictures 1 and 2 included below. This condition was also documented on our June 9, 2014 reconnaissance inspection.



Picture 1: Photo showing the dry-weather flows with wastewater characteristics described in item #1.



Picture 2: Stormwater manhole located at Juan A. Dávila and Octavio Marcano Streets intersection.

2. Stormwater manhole at Rodrigo de Triana and Octavio Marcano intersection - Significant amounts of dry-weather flow with wastewater characteristics (color, odor, and algae formation) was observed flowing in direction or from Octavio Marcano Street. See pictures 3-4 included below for more details.



Picture 3: Photo showing the stormwater manhole described in item 2 with dry-weather flow with wastewater characteristics.



Picture 4: Photo showing the wastewater manhole located in front at Rodrigo de Triana and Octavio Marcano Streets intersection.

3. The wastewater manholes at Fernando Calder Street were observed flowing normally, but with significant amounts of grease and other solids accumulated on its bottom. See picture 5 for more details.



Picture 5: Photo showing wastewater manhole at Fernando Calder Street.

4. The wastewater manhole at Fernando Calder and Ismael Colón Street intersection was found flowing with difficulties and with sewage accumulation on its bottom. See picture #6 for more details.



Picture 6: Photo showing the wastewater manhole at Fernando Calder and Ismael Colón intersection.

5. The waste water manhole at Fernando Calder and Octavio Marcano Streets intersection was found flowing normally, see picture #6 for more details.



Picture 7: Photo showing the wastewater manhole at Fernando Calder and Octavio Marcano intersection.

### III. Conclusion

We need both PRASA and MSJ to inspect their respective collection system and do further investigations in this area in order to eliminate the sources of wastewater significantly affecting the storm water collection system referred above. PRASA and MSJ shall keep EPA informed about the results of the actions to be taken.

Report prepared by:

Dated: September 8, 2014

Eng. Alex O. Rivera Environmental Engineer

### Attachment I – Location Map

